January 23, 2010 10:18:21 AM

Item ID:

D4049-8

Revision ID: Item Name:

Mounting Lug, RH

Start Date:

24/01/2010

Start Qty: 1.00

Operation

Revision Nbr

Description

Required Date: 27/01/2010 Req'd Qty: 1.00

Reference:

Approvals:

Process Plan:

QC:

Date: Date:

Tooling: SPC (Y/N):

Accept

Set Up/

Run Hours

Draw

P 10/01/25

Number

Date:

Date:

D4049

110

100

Sequence ID/

Draw Nbr

Work Center ID

Bandsaw

Jeaspa Bandsaw

Memo MATERIAL GERTAPTUATION REQ'D UPON DELIVERY

0.00

0.00

HAAS CNC vertical machine #1

Memo

MILL AS PER DWG AND FOLIO FA904

FOLIO REV: DWG REV: PA

DEBURR

0.00

10/01/27

Setup Start

Cust Item ID:

Customer:

PREL ISSUE.

Run

Start



Stop

Stamp

Ø

January 23, 2010 10:18:21 AM

Item ID:

D4049-8

Revision ID:

Item Name:

Mounting Lug, RH

Start Date:

24/01/2010

Start Qty: 1.00 **Required Date: 27/01/2010**

Req'd Qty: 1.00



Accept



Setup Start



Cust Item ID:

Customer:

Draw

Number

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

Date: Date:

Draw

Rev.

Plan

Code

Run Start

Stop

Sequence ID/ Work Center ID

120

Quality Control

Operation Description

QC2- Inspect parts off machine FAI/FAIB

Set Up/

SPC (Y/N):

Run Hours

0.00

10/01/27

Reject Accept

Qty Otv Reject Number

Insp. Stamp

Memo

0.00

MW=

130

Quality Control

OC8- Inspect parts - second check

Memo

Siploilaz

0.00

140

HandFinish

Hand Finishing

Memo

Chemical Conversion Coat per OSI005 4.1

0.00

el 10-61-21

0.00

January 23, 2010 10:18:21 AM

Item ID:

D4049-8

Revision ID: Item Name:

Mounting Lug, RH

Start Date:

24/01/2010

Start Qty: 1.00

Req'd Qty: 1.00

Accept

Setup Start



Required Date: 27/01/2010

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Draw

Number

Cust Item ID:

Customer:

Date: Date:

Draw

Rev.

Run

Start



Insp.

Stamp

Stop

Sequence ID/ **Work Center ID**

150

Powdercoat

Powder Coating

Operation Description

14113 170

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

Date:

F. W. 2:15,0-

Set Up/ Run Hours

10-01-25

Accept

Qty

S

Reject

Qty

Number

Reject

160

Quality Control

QC3-Inspect Part Finish

Memo

Memo

Identify as per dwg & Stock Location:

0.00

0.00

Plan

Code

170

Packaging

0.00

0.00

Memo

Packaging

January 23, 2010 10:18:21 AM

Item ID:

D4049-8

Accept

Setup Start



Revision ID:

Item Name:

Mounting Lug, RH

24/01/2010 **Start Date:**

Required Date: 27/01/2010

Start Qty: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

Stop

Date:

SPC (Y/N):

0.00

Date:

Stop

Sequence ID/

Work Center ID

Operation Description

QC21- Final Inspection - Work Order Release

Set Up/ **Run Hours**

Draw Number Draw Plan Code Accept Qty

Reject Qty

Reject Insp. Stamp Number

180

Quality Control

Memo

0.00

Rev.

POSITIVE RECAM DAIE ____ RELEASED

[1 1002.08

Picklist Print

January 23, 2010 10:18:21 AM

Work Order ID: 55601

Parent Item: D4049-8 Parent Item Name: Mounting Lug, RH

Comments:

IPP REV: A NEW ISSUE 10-01-23 JLM VERIFIED BY:DD

Start Date: 24/01/2010

Required Date: 27/01/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Item Name	Item ID	Purch	Item	Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued	Issued	
M6061T6B2.000X02.00		Purchased	No			100	f	52.5059	0.2550			



6061-T6 Bar 2.00 x 2.00

Warehouse	Loc Qty	Loc Code	
Location			
Main Warehouse			
MAT	52.50586316		
110167	0.532		
113006	. 20		
113123	20		0,2550 DT 10/01/25
13085	10.083		
17124	1.89086316		

DART AEROSPACE LTD	Work Order:	55601
Description: Mounting Lug, RH	Part Number:	154049-8
Inspection Dwg: D4049 Rev: PAY Pay		Page 1 of 1

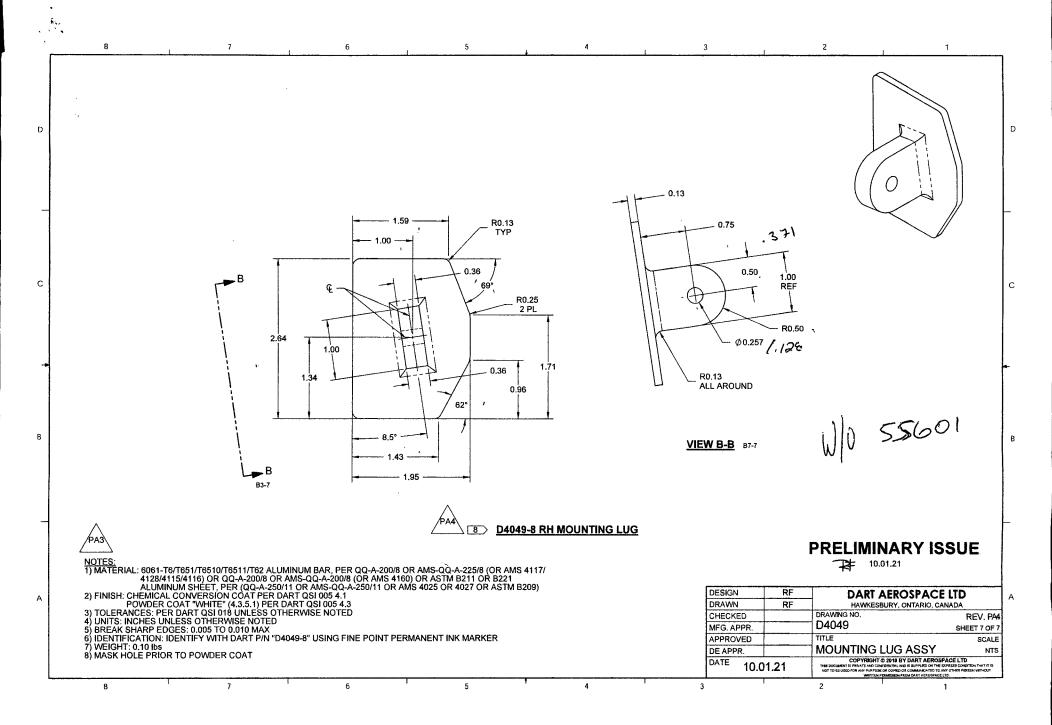
FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
2.64	£0. ±	2,63	J.,			
1.95	£ .03	1.94	/			
1.59	± .0.3	1.59	<u> </u>			
1.43	±.03	1.42	~			
1.00	+ .03	1.00	<u> </u>			
.36	± .03	.36				
69°	± 1/2°	७१.	~		•	
62.	- 1/3°	69,			,	
8.5°	= 1/2.	8.5°	J			
R.13	1.03	R.13	V	,		
.75	±.03	.05	V			
.13	± .03	61.	~			
. 50	÷.03	,50	V			
Q.50	+ .03	R.50	V			
0.257	+ 006001	, 260	· /			
					,	

Measured by: MM ⁻	Audited by:	Prototype Approval:	N/A
Date: 10/01/27	Date: 10/01/27	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JLM	



Purchase Order Receipt Listing

Page 1 of 1

November 09, 2009 10:22:35 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po10718 Receipt Dates from 11/9/2009 to 11/9/2009 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Ven	dor Nam	e VC-I	MAG002 Magna	Stainless							
PO10718	ı		M5052H32S.040	sf	11/10/2009	11/9/2009	64.0000	\$1.41	0.0000	0	\$90.00
CAD	No		5052-H32 .040 Sheet 113123	sf	64.0000	Stores		\$90.00	0.0000	0	
	2		M6061T6B0.187X04	l. f ,	11/10/2009	11/9/2009	48.0000	\$3.00	0.0000	0	\$144.00
	No		6061-T6 Bar .178 x 4.00 113123	f	24.0000	Stores		\$144.00	0.0000	0	
	3		M6061T6B2.000X02	2. f	11/10/2009	11/9/2009	20.0000	\$10.75	0.0000	0	\$215.00
	No		6061-T6 Bar 2.00 x 2.00 113123	f	20.0000	Stores		\$215.00	0.0000	0	
									Total Received (Quantity:	132.0000
								Tota	l Qty to Inspect (F	O U/M):	0.0000
									Total Reject (Quantity:	0.0000
									Total Recei	pt Value:	\$449.00
								To	otal Balance Due (Quantity:	0.0000

-		Receiv	ving Repo	ort			
Date:							
Discrepan Part	Description	Quantity	Quantity	Quantity Returned	Quantity Short	Comments	
Numbe	r Dood, paren	Ordered	Received	Returned	SHORE		
		ļ	:	<u> </u>	<u> </u>		
Production/Admin: Date Received/Costing Initial							

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D



5775 Kieran St, Saint-Laurent, Quebec H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

PACKING LIST

SPECIAL INSTRUCTIONS

I019169

Page: 1 of 1

SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN STREET

Contact: CHANTAL

SHIP TO: DART AEROSPACE LTD 1270 ABERDEEN STREET

HAWKESBURY K6A 1K7

, ON

HAWKESBURY

, ON

K6A 1K7

Ship Terms: PREPAID

MAGNA MTR:Y

Currency Sales Person Customer Phone Customer Fax Customer PO CANADIAN DOLLARS (613) 632-5200 (613) 632-1053 P010718 ERYCK BLAIS

Ship Via Sales Order Terms Date Ordered Date Required Date Shipped NET 30 DAYS 11/09/09 NIR:R-557065-1 11/06/09 11/09/09 W021045

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
2			ALUMINUM FLATS AFL 6061 T6 3/16" x 4" x R/L	L030769	09040131A	2 2
_2			ALUMINUM SHEET ASH 5052 H32 .040" x 48" x 96" 37 LB / 2 PC MUST USE HT 2026	L030871	2026	2 2
1		PC	ALUMINUM SQUARE BAR ASQ 6061 T6 2" x R/L 20' 94 LB / 1 PC	L032746	6925	1
			(17/4/09			
Bundles: 1	Skids: 1			Approx	Weight:	167 LB

Received by:	Date:	Signature:
--------------	-------	------------

CAN ART

72927

Material Test Report

Customer Ship To:

ASA Alloys Inc.

81 Steinway Blvd.

Etobicoke

ON

M9W 6H6

Our Order:

829867 - 1

Your PO#

78553-RK

Part#

05514-000-240

Die:

LS05514

Die: Li
Description: .1

.188 x 4,000

Alloy Temper Print Date: 6061 T6511

4/29/2009

09/1/12

Chemical Properties

Si Fe Cu Mn Mg Cr Zn Ti others each others total Al 0.40-0.8 0.7 max 0.15-.40 0.15 max 0.8-1.2 0.04-0.35 0.25 max 0.15 0.05 0.15 remain

		·		Mechanical Proj Strength ks		·	
/ 2-	Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)	
	232355€	4/20/09	09040131A	43,40	40.23	14.3	

Applicable Specifications: ASTM B221-08 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no Hability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Eric Hotte - Tensile Testing

Authorized

Evan Eng, Quality Assurance Mer.

D006504 04040131/

HENAN MINGTAI AL. INDUSTRIAL CO. LTD HUI GUO ZHEN GONG YI,HENAN CHINA 451283 TEL: 371-67898611 FAX: 371-67898612

MILL TEST/QUALITY CONTROL CERTIFICATE

INVOICE NO.:

DGEM061006

L/C NO.:

IRTI-659980

CONTRACT NO: ER-3447-P

ORDER NO.:

R122921

DATE:

OCT-16,2006

DESCRIPTION OF GOODS:

ALUMINUM ALLOY SHEET ALLOY 5052 H32

SHIPMENT TERM: CFR BALTIMORE, CA, USA (INCOTERMS 2000)

WE CERTIFY THAT MATERIAL CONFORMS TO FOR ALUMINUM ALLOY SHEET ALLOY 5052 H32 ALUMINUM ASSOCIATION STANDARDS, ASTM B209 AND AMS-QQ-A-250/8 AND FOR ALUMINUM ALLOY SHEET ALLOY 3003 H-14 ALUMINUM ASSOCIATION STANDARDS, ASTM B209 AND AMS-QQ-A-250/2 SPECIFICATIONS IN ALL RESPECTS.

ACTUAL MILL CHEMICAL Unit%

6	ACTOR MICE OF CHICA									
Alloy No.	Lot No.	Fe	Si	Cu	Mg	Mn	Zn	Ti	Others	Al
5052	1971	0.345	0.085	<0.005	2:36	0.036	0.025	0.027	<0.05	REMAIN
5052	2026	0.347	0.090	<0.005	2.39	0.038	0.026	0.025	<0.05	REMAIN
5052	2061	0.350	0.088	<0.005	2.A2	0.040	0.024	0.027	<0.05	REMAIN
5052	2062	0.336	0.086	<0.005	2.38	0.038	0.026	0.025	<0.05	REMAIN
5052	2077	0.345	0.087	<0.005	2.39	0.036	0.027	0.024	<0.05	REMAIN
5052	2078	0.360	0.091	<0.005	2.41	0.037	0.024	0.026	<0.05	REMAIN
5052	2082	0.338	0.087	<0:005	2.36	0.041	0.025	0.025	<0.05	REMAIN
5052	2109	0.348	0.086	<0.005	2.37	0.036	0.024	0.027	<0.05	REMAIN
5052	2117	0.336	0.089	<0.005	2.41	0.040	0.026	0.025	<0.05	REMAIN
5052	2119	0.345	0.091	<0:005	2.38	0.037	0.026	0.025	<0.05	REMAIN
5052	2122	0.350	0.086	<0.005	2.36	0.036	0.027	0.025	<0.05	REMAIN
5052	2124	0.336	0.085	<0.005	2.46	0,041	0.025	0.026	<0.05	REMAIN
5052	2125	0.347	0.087	<0.005	2.43	0.038	0.026	0.025	<0.05	REMAIN
5052	2126	0.360	0.090	<0.005	2.37	0.036	0.025	0.027	<0.05	REMAIN
5052	2133	0.347	0.088	<0.005	2.38	0:037	0.024	0.027	<0.05	REMAIN
5052	2134	0.338	0.089	<0.005	2.41	0.038	0.024	0.026	<0.05	REMAIN
5052*	2135	0.346	0.086	<0.005	2.43	0.040	0.026	0.025	<0.05	REMAIN
5052	2138	0.345	0.087	<0.005	2.36	0.036	0.025	0.028	<0.05	REMAIN

2140	0.336	0.090	<0.005	2.34	0.041	0.027	0.024	<0.05	REMAIN
2155	0.346	0,087	<0.005	2.52	0.036	0.025	0.028	<0.05	REMAIN
2156	0.342	0.086	<0.005	2.48	0.038	0.026	0.024	<0.05	REMAIN
2173	0.336	0.089	<0.005	2.45	0.041	0.025	0.027	<0.05	REMAIN
2177	0.347	0.090	<0.005	2.41	0.037	0.027	0.024	<0.05	REMAIN
2179	0.350	0.086	<0.005	2.56	0.040	0.026	0.025	<0.05	REMAIN
2180	0.336	0.091	<0.005	2.58	0.038	0.026	0.024	<0.05	REMAIN
2181	0.345	0.087	<0.005	2.47	0.035	0.027	0.025	<0.05	REMAIN
2182	0.380	0.089	<0.005	2.51	0.041	0.025	0.026	<0.05	REMAIN
2183	0.347	0.088	<0.005	2.43	0:038	0.026	0.025	<0.05	REMAIN
2184	0.350	0.087	<0.005	2.38	0.036	0.028	0.025	<0.05	REMAIN
2185	0.347	0.090	<0.005	2.41	0.035	0.025	0.027	<0.05	REMAIN
2186	0.338	0.086	<0.005	2.36	0.037	0.027	0.024	<0.05	REMAIN
2188	0.341	0.088	<0.005	2.43	0.041	0.026	0.025	<0.05	REMAIN
189	0.326	0.089	<0.005	2.51	0.038	0.025	0.027	<0.05	REMAIN
190	0.339	0.085	<0.005	242	0.036	0.026	0.024	<0.05	REMAIN
226	0.345	0.086	<0.005	2.34	0.035	0.026	0.025	<0.05	REMAIN
230	0.336	0.089	<0.005	2.46	0.841	0.025	0.026	<0.05	REMAIN
235	0.347	0.091	<0.005	2.36	0.039	0.027	0.025	<0.05	REMAIN
265	0.338	0.087	<0.005	2.38	0.035	0.025	0.026	<0.05	REMAIN
266	0.336	0.086	<0.005	2.38	0.038	0.026	0.025	<0.05	REMAIN
267	0.338	0.089	<0.005	2.43	0.041	0.025	0.027	<0.05	REMAIN
268	0.345	0.088	<0.005	2.38	0.040	0.026	0.025	<0.05	REMAIN
279	0.336	0.087	<0.005	2.42	0.037	0.026	0.024	<0.05	REMAIN
	2155 2156 2173 2177 2179 2180 2181 2182 2183 2184 2185 2186 2188 2188 2188 2188 2188 2188 2188	2155 0.346 2156 0.342 2173 0.336 2177 0.347 2179 0.350 2180 0.336 2181 0.345 2182 0.380 2183 0.347 2184 0.350 2185 0.347 2186 0.338 2188 0.341 2189 0.326 2190 0.339 226 0.345 235 0.347 265 0.338 266 0.336 267 0.338 268 0.345	2155 0.346 0.087 2156 0.342 0.086 2173 0.336 0.089 2177 0.347 0.090 2179 0.350 0.086 2180 0.336 0.091 2181 0.345 0.087 2182 0.380 0.089 2183 0.347 0.088 2184 0.350 0.087 2185 0.347 0.090 2186 0.338 0.086 2188 0.341 0.088 2189 0.326 0.089 2190 0.339 0.085 226 0.345 0.086 2230 0.336 0.089 235 0.347 0.091 265 0.338 0.087 266 0.336 0.086 267 0.338 0.089 268 0.345 0.088	2155 0.346 0.087 <0.005	2155 0.346 0.087 <0.005 2.52 2156 0.342 0.086 <0.005	2155 0.346 0.087 <0.005 2.52 0.036 2156 0.342 0.086 <0.005	2155 0.346 0.087 <0.005 2.52 0.036 0.025 2156 0.342 0.086 <0.005	2155 0.346 0.087 <0.005 2.52 0.036 0.025 0.028 2156 0.342 0.086 <0.005	2155 0.346 0.087 <0.005 2.52 0.036 0.025 0.028 <0.05 2156 0.342 0.086 <0.005

MECHANICAL PROPERTY TEST REPORTS

Alloy No.	TEMPER	Lot No.	Specified	1	Tensile strength		Yield strength	
				(MPa)	(KSI)	(MPa)	(KSI)	(%)
5052	H32	1971	0.040"×48.00"×C	225	32.63	175	25,38	10
5052	H32	2026	0.040"×48.00"×C	225	32,63	175	25.38	11
5052	H32	2061	0.063~48.00°×C	226	32.77	175	25.38	11
5052	H32	2062	0.063**48.00**C	226	32.77	175	25.38	12
5052	H32	2077	0.125"×48.00"×C	225	32.63	175	25.38	10
5052	H32	2078	0.125"×48.00"×C	227	32.92	176	25.52	11
5052	H32	2082	0.050~×48.00~×C	226	32.77	175	25.38	12
5052	H32	2109	0,050~48.00~C	225	32.63	175	25.38	11
5052	H32	2117	0.063~×48.00~×C	226	32.77	175	25.38	10
5052	H32	2119	0.063"×48.00"×C	227	32.92	176	25.52	12
5052	H32	2122	0.080~48.00~C	225	32.63	175	25.38	11

CUSTOMER ORDER NO.: 080456-RK CUSTOMER PART NO 3-2000



71772

MILL TEST REPORT

CUSTOMER: A.S.A. ALLOYS INC.
81 STAINWAY BLVD.

ETOBICOKE, ONTARIO M9W 6H6

SAMPLE	(S) OF	ALUMIN	MUI

'REPORT: 67553

DIE NO. S-3132

DESCRIPTION 2" SQAURE BAR

AL. ALLOY & TEMPER 6061/T6511

EXTRUDEX ORDER NO. 112910-6-A.11

SPECIFICATION ASTM B221

 SILICON %
 0.60

 IRON %
 0.23

 COPPER %
 0.20

 MANGANESE %
 0.07

 MAGNESIUM %
 0.87

CHROMIUM % 0.06 ZINC % 0.02 TITANIUM % 0.02

ALUMINUM % REMAINDER
ALLOY TYPE 6061
ALLOY CAST NO. 6925
YIELD STREGTH (IN ksi) 46.8
TENSILE STREGTH (IN ksi) 49.6

ELONGATION % IN 2" 11.1

HARDNESS (ROCKWELL 'F') 92.9

92.9

CERTIFIED BY:

David Natale (QUAL. MANAGER)

DATE: JUNE-08-09

SIGNED:

F. TABING (LAB. TECH.) JUNE-08-09

411 Chrislea Road, Woodbridge, Ontario. L4L 8N4 TEL:(416) 745-4444 FAX:(416) 745-0925

91.9



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10718

Purchase Order Date 11/06/09 PO Print Date 11/06/09

Page Number 1 of 2

Order From:

MAGNA STAINLESS 5775 RUE KIERAN ST LAURENT, QC H4S 0A3 CA

VC-MAG002

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607 Net 30

Terms Currency

CAD

FOB

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable U	Req Qty/ nit of Measure	Ship Method	Unit Price	Extended Price
I M:	5052Н32Ѕ.040	5052-H32 .040 Sheet	11/10/09 Yes	64.00 sf	Yours ppd	\$1.4062	\$90.00
		Special Inst:	MATERIAL: 5052 PER QQ-A-250/8 OR AMS 4016 OR	OR AMS-QQ-A-			
: Me	5061T6B0.187X04.000	6061-T6 Bar .178 x 4.00	11/10/09 Yes		Yours ppd New 48/	\$3.0000 V 9114/9	\$72.00
		Special Inst:	MATERIAL: 6061 T6/T651/T6510/T6 ALUMINUM BAF AMS-QQ-A-225/8 4117/4128/4115/4 AMS-QQ-A-200/8 ASTM B211 OR A	5511/T62 R PER QQ-A-225 OR AMS 116 OR QQ-A-20 OR AMS 4160	00/8 OR	·	
Me	5061T6B2.000X02.000	6061-T6 Bar 2.00 x 2.00	11/10/09	20.00	Yours ppd	\$10.7500	\$215.00

Special Inst:

AS ABOVE

Yes

No substitution or deviation without consent.

Certificate of Conformity or Material

Change Nbr:

Change Date: 11/06/09

Certification required when applicable



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10718

Purchase Order Date 11/06/09 PO Print Date 11/06/09

Page Number 2 of 2

Order From:

VC-MAG002

MAGNA STAINLESS 5775 RUE KIERAN ST LAURENT, QC H4S 0A3 CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency FOB

Chantal Lavoie

10127-2607

Net 30

CAD

PO Total:

\$377.00

MATERIAL CERTIFICATION REQ'D UPON DELIVERY



No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 11/06/09